INDEX.

A.

Accident at the South Metropolitan Gas Works, 365
Adams's Improved Means of Generating Galvanic Electricity, 227
Amalgamation of Chartered, London, and Equitable Gas Companies, 1
Amalgamation of Commercial and British Gas Companies, 351
Amalgamation of Great Central and City Gas Companies, 42, 62, 69, 82, 294, 303
Analyses of Coals, 286
Application of Chemical Science to Gas Mannfacture, 161
Application of Tar to the Dyeing of Silks, 256
Armagh Gas Company, 116
Armand's Improvements in the Mode of Distilling and Treating Organic Substances, &c., 375
Association of Gas Fitters, 11, 30, 51, 73
Auchtermuchty Gas Works, Balance Sheet, 378
Awards of Great Exhibition Juries, 202

B.

Bachhoffner's Lecture on the Electric Light, 31
Bachhoffner and Defries' Polytechnic Fire, 304
Bachhoffner and Defries's Improvements in Obtaining Light and Heat, and in Apparatus connected therewith, 144
Balance Sheets of the Great Central Gas Company, 216, 329, 343, 449, 451
Balance Sheet of Surrey Consumers' Gas Association, 327
Barlow's, T. G., Observations and Experiments on the Comparative Value of Coals for the Manufacture of Gas, 63, 102
Barlow's, T. G., Table of the Discharge of Gas through Pipes, 473
Barlow and Gore's Improvements in the Treatment of certain Substances used in the Production of Gas, &c., 207
Biddle's Chimney-Glass Cleaner, 177
Billows's Philosophical Gas-Testing Burner, 356
Blaydon, 479
Boggett's Improvements in Producing and Applying Heat, 90, 133
Boggett's Improvements in Obtaining Light and Heat, &c., 144
Boghead Cannel Coal, 1
Booth's Improvements in the Manufacture of Gas, 113, 167, 476
Brighton, 348
Bristol, 461
British and Foreign Gas Meter Company, 480
Brougham's (Lord) Patent Law Amendment Bill, 75, 380
Bunsen Photometer, 335, 359, 375

C.

Cannel Coal Gases, 75
Cannel Coal Gas at Gateshead, 256
Caution to Water Companies, 465
Cements for the Joints of Clay Retorts, 348
Central Gas Consumers' Company and their Contractors, 76
Changes, 327
Chartered Gas Company, 242
Chemical Examination of the Refuse Lime of Gas Works, 7
Chemist, Appointment of, for the City of London, 285
Chemistry of Gas Lighting, 181, 202, 222, 242, 262, 303, 358, 373, 412, 452, 471
Circular to Gas Companies, 1, 21, 41, 61, 81, 101, 121, 141, 161, 181, 201, 221, 241, 261, 281, 301, 329, 349, 369, 389, 409, 469
City of London Court of Sewers, 34, 72, 92, 152, 193, 293, 363, 434
City of London and Great Central Gas Company Amalgamation Bill, 294
Clay Retorts, 16
Clear Case for Mr. Thwaites, 348
Clift, J. E., on the Preservation of Timber by Creosote, 236
Clift, J. E., Fire-Brick Gas Retorts, 410
Coal and Cannel Gas, 374
Coal Duties levied on the Metropolis by the City Corporation, 384, 480
Coal Duties, 480
Compound Laboratory Testing Jet, 65
Copenhagen, Competition at, 157, 217
Corporation of London and the Gas Consumers, 244
Corporation Gas Accounts—Manchester, Salford, and Greenock, 289
Court of Common Council of the City of London, 113, 266, 294
Cowper's Improvements in the Treatment of Coal, &c., 10
Cowper's Improvements in Separating Coal from Foreign Matters, 375
Croll *v.* Edge, 256
Curiosities of Chemical Evidence, 272, 376

D.

Dakin, Mr., *v.* Mr. Lewis Thompson, 451
Dakin, T., Chairman of the Great Central Gas Company, 476
Dick's Improvements in the Manufacture of Steel and Gas, 69
Dircks' Improvements in the Manufacture of Gas, Gasburners, &c., 168
Dishonesty of the "Cheap Gas" Advocates, 429
Dublin, 445
Dublin Alliance and Consumers' Gas Company, Balance Sheet, 462

E.

Electric Light, 256
Estimates, Wide, 327
Equitable Gas Company *v.* P. Bingham, Esq., 169
Equitable Gas Company, 181
Exhibition of Gas Apparatus, 31, 54
Experiments Explanatory of the Origin of Coal, 116
Explosion of Gas at Colchester, 276
Explosion, Fatal, at Mr. White's Naphtha Distillery, 42, 49
Explosion at Highgate, 256, 276
Exportations of English Coals to France, 480

F.

Faraday's Lecture at the Royal Institution, 77
Fictitious Standard of Great Central Company, 121
Fire Bars of Fire Clay, 472
Fluid in Pipes, on the Motion of, 392
Fontainemoreau's Improvements in Apparatus for Gas Lighting, 286
Fontainemoreau's Improvements in Gasburners, 418
Fontainemoreau's Improvements in the Manufacture of Fuel, 226
Frankland, Dr., on White's Hydro-Carbon Gas, 122, 123, 242, 247, 261, 285
Frauds in the Coal Trade, 76
French Academy of Sciences, 16
Fyfe, Dr., on the Illuminating Power of Gas from Pelton Coal, 162
Fyfe, Dr., on the Manufacture of Hydro-Carbon Gas from Boghead Cannel, 369.
Fyfe, Dr., on the Mode of Ascertaining the Illuminating Power of Gas, &c., 84
Fyfe, Dr., on the Value of the Chlorine Process, 6

G.

Gas Apparatus, &c., at Great Exhibition, 82, 101
Gas Companies, New, 479
Gas Cooking Stoves, 68, 90, 348, 422
Gas Lighting in Germany, 7, 25, 46
Gas Lighting in South America, 177
Gas Lighting in the United States, 183, 439
Gas Making in the Lothians, 334
Gas Movement in Marylebone, 188, 211, 228, 254, 272, 287, 346, 364, 403
Gas Movement at Oxford, 255, 275
Gas Question at Leighton Buzzard, 288
Gas Works at the Wakefield Prison, 24, 49
Gasholder Blown Over, 276
Geological Sketch of the North Wales Coal Field, 330
Giessen Diplomas, 365
Glasgow Foundry Trade, 465
Goddard's Asbestos Gas Fire, 348, 418
Goddard's Improved Gas Cooking Stove, 97
Gore's Lecture on Gas and Gas Lighting, 51
Government Patent Law Amendment Bill, 97
Graham's (Professor) Evidence on the Illuminating Power of Gas, 376
Graham's Gas Cooking Range, 55
Great Central Gas Consumers' Bill, 113
Great Central Gas Company's Balance Sheets, 216, 329, 343, 451
Great Central Gas Consumers' Company, 15, 76, 94, 134, 204, 235, 252, 264, 266, 286, 293, 327, 341, 449, 459
Great Central Gas Company *v.* Messrs. Tallis, 264, 378, 480
Great Exhibition and the North of England, 217
Great Exhibition, Authentic Statistics of, 383
Green's Improvements in the Preparation of Peat and other Ligneous and Carbonaceous Substances, &c., 134
Greenock Gas Accounts, 87, 291, 423
Griffin's Ammonia Meter, 6
Guise's Improvements in Gasburners, 157
Gutta Percha, Novel Application of, 237

H.

Hall's Improved Exhauster Compensator, 6
Hallen's Improvements in Gasburners, 226
Hallewell's Improvements in Drying Malt, 287
Hamburg Gas Company's Accounts, 48
Havant, 465
Hedley *v.* the Surrey Consumers' Gas Company, 261, 303, 306, 337
Henderson's Improvements in Gas Apparatus, 336
Hills's Improved Gas Purification, 389
Hills's Improvements in the Manufacturing and Purifying certain Gases, 416
History of the Manufacture of Water Gas, 244, 264, 282

History of the Manufacture of Water Gas, Supplementary Chapter to the, 333
Hodgetts, The late Mr., 67
Horton's Improvement in the Construction of Gasholders, 145
How Petitions are Manufactured, 10
Hydraulic Mortar, 16
Hydro-Carbon Gas, 50, 350
Hydro-Carbon Gas, Inventor of the, 378
Hydro-Carbon Gas at Southport, 76, 276, 281, 292, 439, 445
Hydro-Electric Light, 22

I.

Imperial Continental Gas Association, 365
Improved Gas Cooking Stove, 97
Improved Exhauster Compensator, 6
Improved Means of Generating Galvanic Electricity, 227
Improvements in the Construction of Gas Retorts and Furnaces, 69, 476
Improvements in the Manufacture of Gas, 113, 167, 217, 394, 476
Improvements in Gas Lighting, 286
Improvements in Gas Apparatus, 336
Improvements in obtaining Light and Heat, &c., 144, 336
Improvements in the Treatment of certain Substances used in the Production of Gas, &c., 207
Improvements in Apparatus for Heating, Ventilating, and Cooking by Gas, 226
Improvement in the Construction of Gasholders, 145
Improvements in Gasburners, 157, 226, 418
Improvements in the Manufacture of Gas, Gasburners, &c., 168
Improvements in the Wet Gas Meter, 92
Improvements in Gas Meters, 90, 111, 113
Improvements in the Manufacturing and Purifying certain Gases, 416
Improvements in the Manufacture of Steel and Gas, 69
Improvements in Apparatus for Measuring Gas, Water, &c., 168
Improvements in the Treatment of Coal, &c., 10
Improvements in the Carbonisation of Coal, 226
Improvements in the Manufacture of Coke, 418
Improvements in the Manufacture of Fuel, 226
Improvements in Producing and Applying Heat, 90, 133
Improvements in Electro-Magnetic Apparatus for obtaining Light, 112
Improvements in the Preparation of Peat, &c., 134
Improvements in the Use and Treatment of Peat and its Products, and other Carbonaceous Matters, &c., 209
Improvements in Separating Coal from Foreign Matters, 375
Improvements in the Mode of Generating Steam in Locomotive and other Boilers, 92
Improvements in the Treatment of certain Bituminous Mineral Substances, &c., 91
Improvements in the Mode of Distilling and Treating Organic Substances, &c., 375
Improvements in the Manufacture of Cast-Metal Pipes, 433
Improvements in the Manufacture of Alum, 112, 133
Improvement of the Photometer, 391
Improvements in the Manufacture of Wrought-Iron Tubes, 336
Improvements in obtaining certain Products from Ores, 113
Improvements in the Manufacture of Faces or Dials for Clocks, 188
Improvements in Drying Malt, 287
Indiarubber Gasholders, 16
Iron Trade, 480
Is Low-priced Gas Cheap Gas? 206

K.

Kane, Sir R., on the Nature and Products of the Process for the Destructive Distillation of Peat, 175, 194
Keate's Lecture on Gas Impurities, 73
Kemp, The Mr., of the *Mining Journal*, 333
Kenrick's Improvements in the Manufacture of Wrought-Iron Tubes, 336
King's Tables of Wigan Cannel Gas, 105, 142
Knowles's Illuminating Gas Stove, 54

L.

Lamplighting, 445
Lebon, Philippe, 177
Leeson's Evidence on the Illuminating Power of Gas, 272
Legal Intelligence, 127, 169, 210, 306, 360, 376, 395, 418, 456, 476
Leigh, J., on the Analysis of Coal Gas, 142, 187
Lesmahago Cannel Coal, 10
Letheby's, Dr., Reports, 363, 434, 477
Lima Gas Works, 405
Liverpool United Gas Company, 423
Liverpool Gas Supply, 148
London Gas Light Company, Report of Directors, 477
London and its Vicinity, 117
Londonderry Gas Company, 137
Low-priced Gas Movement, 261, 282
Lowe and Evans's Improvements in the Manufacture of Gas for the Purposes of Illumination, 389
Lowe's Improvements in the Manufacture of Gas, 394

M.

Magisterial Interference with the Laying of Service Pipes, 97
Malaga, 445, 465
Malmo (Sweden), 465
Manchester Gas Accounts, 25, 289
Manchester Gas Supply, 145
Manufacture of Gas from Wood, 365
Marylebone Gas Consumers' Company, 115, 172
Mead's Improvements in Apparatus for Measuring Gas, Water, &c., 168
Medhurst's Improvements in Gas Meters, 113
Meeting of Gas Consumers, 71
Meeting of Great Central Shareholders, 69, 94, 134, 215, 235, 341, 459
Michiels' Ovens at London Gas Works, 281, 330
Mining Journal and the Hydro-Carbon Gas Company, 262
Minton's Improvements in the Manufacture of Faces or Dials for Clocks, Watches, Barometers, Gas-Meters, Mariner's Compasses, &c., 188
Minutes of Evidence on the Lighting of the House of Commons, 423, 481
Morning Chronicle and the JOURNAL OF GAS LIGHTING, 76
Municipal Gas Works, 141

N.

Naphtha Lamps, 16
New Applications for Gas Acts, 222, 469
Newbury Gas Company, 335
Newcastle-on-Tyne Gas Works, 122
Newcastle Cannel Gas, Illuminating Power of, 207
Newton's Improvements in the Carbonisation of Coal, 226
Newton's Improvements in the Manufacture of Coke, 418
Newport (New) Gas Works, 301
New York, 177
New York Gas *v.* Philadelphia Gas, 453

O.

Odense (Denmark), 480
Odiham Gas Accounts, 293, 306
Oldham, 480
Oporto, 423, 480

P.

Paine's Magneto-Electric Machine and Light, 55, 62, 75
Paris, Gas Lighting in, 413
Parliamentary Intelligence, 113, 145
Parochial Assessments of Gas Works, 432
Patents recently granted, 97
Penfold's Assessment of Gas Works, 433
Patent Law Amendment Act (1852), 478
Perkins's Improvements in the Manufacture of Cast-Metal Pipes, 433
Phœnix Gas Company, 281
Philadelphia Gas Accounts, 183, 443
Pole, W., on the Motion of Fluids in Pipes, 352
Portadown Gas Company, 40
Price Current, 19, 39, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 279, 299, 368, 388, 408, 428, 448, 468, 488
Prices of Gas, Table of the, 15
Prize for Inventions in Electricity, 284
Products of the Distillation of Coal, 10
Provincial Notes—Greenock, 86; Stockport Gas Works, 163
Prussian Blue, Manufacture of, 385
Public Lamps of the City of London, 291

Q.

Quality Clause in Great Central Gas Act, 22
Quebec Gas Company, 76

R.

Rating of Railways, &c., 117, 445
Rating of Water Pipes to the Land Tax, 136
Raw Materials at the Great Exhibition, 117, 138, 153
Reichenbach's Shop-Front Lamp, 433
Remarks on the Use of Chlorine as a Test for estimating the Illuminating Power of Gas, 110
Rennie's Improvements in the Construction of Gas Retorts and Furnaces, 69
Rennie's Improvements in Gas-Making, 116
Report of the Greenock Gas Committee, 422
Retorts at the Great Central Gas Works, 76
Rio de Janeiro, 378
Rival Gas Works at Newport, 335
Rome, Gas Lighting in, 365, 404, 480
Royal Institution, 76
Royal Scottish Society of Arts, 11
Rules for ascertaining the Pressure of Gasholders of different Dimensions, 9
Ruthin Gas, 465, 480
Rutter, J. O. N., Esq., on the Price of Gas, 42, 355
Rutter, J. O. N., Esq., on Street Lights, 3

S.

St. Paul's, Gas Lighting in, 461
Salford Gas Accounts, 67, 290
Sanitary Gas Question, 415
Sanitary Proceedings in the City of London, 423
Sanitary Reform, 404
Scotland, Gas-Making in, 416
Screw Colliers, 303
Select Committee on the Metropolitan Water Supply, 196
Share List, 17, 37, 58, 78, 98, 118, 138, 158, 178, 198, 218, 238, 258, 277, 297, 366, 386, 406, 426, 446, 466, 486
Sheffield Gas Company, 115, 296, 423, 445, 472
Sheffield Gas Consumers' Company *v.* Sheffield Consumers' Gas Company, 221, 337, 462

Shephard's Improvements in Electro-Magnetic Apparatus for obtaining Motive Power, Light, &c., 112
Smith's Improvements in Apparatus for Heating, Ventilating, and Cooking by Gas, 226
Solid Gas, 177, 296
South Essex Gas Company, 445, 480
Southport Improvement Commissioners, Receipts and Expenditure of, 439
Spence's Improvements in the Manufacture of Alum, 112
Steam Colliers in the Thames, 405
Stockport Gas Works, Balance Sheet, 164, 379
Stoke-upon-Trent Gas Company, 276
Stones's Improvements in the Use and Treatment of Peat and its Products, and other Carbonaceous Matters, &c., 209
Strabane Gas Works, Balance Sheet, 477
Street Lights, 29
Substitute for Artificial Illumination, 480
Surrey Consumers' Gas Light and Coke Association, 192, 255, 261, 266, 268, 340, 385, 438
Surrey Consumers' Company, Balance Sheets, 193, 327
Swarbrick's Improvements in the Manufacture of Gas Retorts, 476
Swindell's Improvements in obtaining certain Products from Ores, &c., 113

T.

Testimonial to Mr. Stelfox, 472
Testimonial Manufactory, 455
The Builder, 282
Thompson, Lewis, on the Illuminating Power of Gas in the Metropolis, 332, 359, 375, 391, 414, 430, 454, 474
Thompson, Lewis, on the Analysis of Coal Gas, 164, 204
Thompson's, Lewis, Observations on the Report of the Chemical Referee, 357
Thompson's, Lewis, Letter to Mr. C. Pearson, 415
Treat for the Civic Aristocracy, 348

U.

Universal Gas Company, 337
Use of Coal as Fuel, 348
Use and Value of Ammoniacal Liquor for Agricultural Purposes, 108
Use and Value of Gas Lime for Agricultural Purposes, 126

V.

Value of various Kinds of Coal for Steam Purposes, 174
Valuations of Gas and Water Works, 420
Vegetable (Oil) Gas Company, 390, 394, 453
Vegetable Gas, 423
Ventilation of Rooms, 445
Voltaic Battery, New, 385

W.

Warren's Pressure Gauge, 102
Water Supply, Scott on, 433
Webster's Hydro-Carbon Gas, 305
Western (Cannel) Gas Light Company, Balance Sheet, 461
Western Gas Company, 237, 296
Western Metropolitan Gas Question, 12, 29
"What a Lark," 327
What has Liebig done for Science? 479
What is a Service Pipe? 169
Whimster's Improvements in the Wet Gas Meter, 92
White's Hydro-Carbon Gas, 69, 110, 123, 207, 224, 262, 305, 364
White's Hydro-Carbon Gas at Southport and Dunkeld, 251
Wigan Cannel Coal, 10
Wilson's Improvements in the Manufacture of Alum, 133
Wood Gas, 116
Wright's Lecture on Cannel Gas, 30
Wright, A., on the Illuminating Power of Newcastle Cannel Gas, 206
Wright, A., on the Improvement of the Photometer, 391
Wright's Improved Ventilating Condenser, 470
Wyatt's Popular Lectures on Chemistry, 57, 74

Y.

York's Improvements in the Mode of Generating Steam in Locomotive, Marine, and other Boilers, 92
Young's Improvements in the Treatment of certain Bituminous Mineral Substances, &c., 91